

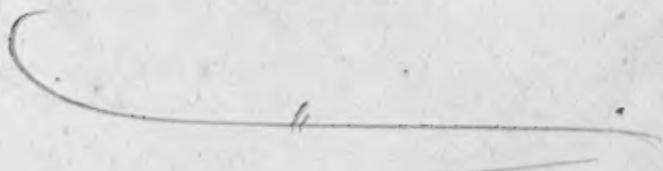
£ 3

Dr. 4814 - 4859

44878-80

D 4813  
H 4877 last.

Japaurne Cruise  
#3



July  
507

No. D 4814 Date July 18, 1906  
 Sivae Machine. Reel. Lucas  
 Turns Cor.+ Depth 429 fath.  
 Shot or lead 30° and rod.  
 Bottom 8n. M.  
 Bottom temperature 33°  
 No. of thermometer 108019 Cor.  
 Corrected temperature 32.9  
 Air 84° Surface 74° Drift  
 Trawl or dredge 12' Tanner

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10-27-50	10-43-00	0	10-47-15	11-48-50
28-53	41-35	100	30-55	45-30
30-10	40-15	200	34-05	42-30
31-25	38-55	300	37-15	39-35
32-40	37-15	400	11-00-30	36-25
10-33-10	10-36-40	429	4-50	32-40
16.00 in 20 fath 4 let go to detach shot. Shot failed to detach second time.		500	11-7-15	11-27-15
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	55.4
		2600	Wind	Calm
		2700	Weather	bez.
		2800	Sea	Smooth
		2900	Bear.	30.00
		3000	Ther. Att.	78°
		3100	Course	S.E.
		3200	Lat. 38° 32' N.	
		3300	Long. 138° 43' E.	
		3400	Chart	H.O. 1300.
		3500	Bearings	N. Pt.
		3600	Sado I.	S. 42° W., true, Dist. 15.7 miles.
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

507  
GTRN KZL -

No. D. 4815. Date 18 July, 1906.

Lines Machine. Reel. Lines

Turns Cor. + Depth 70 fms.

Shot on lead 35 ft + Sigsbee Sdg. Cup.

Bottom dk. gr. S.

Bottom temperature 51.2°

No. of thermometer 108019. Cor. - 0.7

Corrected temperature 51.0°

Air 88° Surface 87° Drift

Trawl or dredge 12-ft. Tanner Trawl.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.05.15	2.09.00	0	2:13.25	2.43.30
2.06.30	2.07.55	70. 100	17.00	391.00
		125 200	2: 18.00	2.38.00
		300		
		400	Trawled 20 min	
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	73.6
		2600	Weather	bog. 8
		2700	Wind	Tar. 1
		2800	Sea	S.
		2900	Barometer	29.96
		3000	Ther. attd.	79°
		3100	Chart	H.O. 1300.
		3200	Course	SW by S (PSC)
		3300	Lat. 38°	16' N.
		3400	Long. 138°	52 E.
		3500	Bearings	Niigata
		3600	Lt. S 55° E., true, dt.	
		3700		21.5 m.
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

507 1/511

No. D. 4816 Date 18 Jul. 1906.

T. N. Machine. Reel.

Turns 64 Cor. + Depth 64 fms.

Shot or lead T.N Sinter

Bottom fine gy. S.

Bottom temperature 51.9°

No. of thermometer 108019. Cor. - 0.7

Corrected temperature 51.7°

Air 81° Surface 77° Drift

Trawl or dredge 12-ft. Tanner Trawl.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2. 57.30	3.02.10	0	3. 03.45	3.31.30
3. 00.20	3.00.30	64.	07. 15	28.00
		100		
		110		
		300	3. 07.40	3.27.30
		300		
		400	Trawled 20 min	
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	—
		2600	Weather	83°.9
		2700	Wind	Var. 1.
		2800	Sea	S
		2900	Barrowline	29.95
		3000	Theo. attd.	79°
		3100	Chart	H.O. 1300.
		3200	Course (100) S.E.	
		3300	Lat. 38°	14' N.
		3400	Long. 138°	54' E.
		3500	Bearings.	Niigata
		3600	Lt. S. 22° E., true,	
		3700	dist. 19 miles.	
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

507

No. 4817 Date 18 July, 1906.

T. N.

Machine.

Reel.

Turns Cor. + Depth 61 fms.

Shot or lead T.N. Sinter

Bottom fm. gy. S.

Bottom temperature 52.1°

No. of thermometer 108019. Cor. - 0.7°

Corrected temperature 51.9°

Air 80 Surface 76 Drift

Trawl or dredge 12 ft Danner

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.50.30	3.53.00	0	3.55.20	4.73.15
3.51.20	3.51.40	61. 100	3.59.00	4.19.00
		200		
		300		
		400		
<i>Towed 40 m to 100 fm wire at an estimated depth of 65 fm</i>		500		
		600		
		700		
		800		
		900		
<i>Depth wasnt estimated; it was demonstrated by actual sounding.</i>		1000		
		1100		
		1200		
		1300		
		1400		
<i>Recorder at the time.</i>		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600	Weather	
		2700	Wind	Wld
		2800	Sea	
		2900		
		3000	Ther. attd.	6 H
		3100	Chart.	H.O. 1300.
		3200	Course	W x S
		3300	Bat.	38° 12' N
		3400		
		3500	Bearings,	Niigata
		3600	Lt S <sup>29°</sup> dist	(ti) E 18 mi
		3700		
		3800		
		3900		
		4000		

### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. D. 4818 Date July 19, 1906  
 Lucas Machine. Reel. Lucas

Turns Cor. + Depth 225' fath.

Shot or lead 35<sup>rd</sup> shot + Siebe's rod.

Bottom fine sand.

Bottom temperature 33.8°

No. of thermometer 108019 Cor. -.

Corrected temperature 33.7°

Air 82° Surface 75° Drift

Trawl or dredge 12' Vanner

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
49-10	8-57-20	0		9-44-10
50-28	56-00	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300	25° 08' 35" N.	
		3400	138° 31' 30" E.	
		3500	17 min. 4 sec.	
		3600	05° 24' 0 E. (15) 4 min.	
		3700		
		3800		
		3900		
		4000		

### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. D. 4817 Date July 19, 1906.  
 Lucas Machine. Reel. See

Turns Cor. + Depth

Shot or lead 35<sup>th</sup> shot & tel. tube

Bottom line bar 100.

Bottom temperature 33.2°

No. of thermometer 108019 Cor. - .1°

Corrected temperature 33.1°

Air 81° Surface 75° Drift

Trawl or dredge 12' 7"

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	10-07-00	10-49-0
		100	10-30	4
5		200	13-35	43
		300	16-45	39-13
		330		
		400	10-17-45	10-37
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. T.D. 4820. Date 19 Jul., 1906.

Lucas Machine. Reel. Lucas.

Turns Cor. + Depth 536 fms.

Shot or lead 30 ft and Tele Tubes

Bottom In. N.

Bottom temperature 32.5°

No. of thermometer 108021 Cor. - 0.1

Corrected temperature 32.4°

Air 80° Surface 76° Drift

Trawl or dredge 12' Tanner

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3. 05. 10	3. 10. 10	0	3. 02. 20	4. 10. 10
06. 30	7. 00. 10	100	26. 70	4. 10. 10
07. 30	7. 00. 10	200	26. 70	4. 10. 10
08. 40	7. 00. 10	300	22. 40	4. 10. 10
09. 45	7. 00. 10	400	25. 50	4. 10. 10
10. 00	7. 00. 10	500	29. 00	4. 10. 10
3. 11. 20	3. 15. 10	600	4. 00. 00	4. 10. 10
		700	4. 00. 00	4. 10. 10
		800	4. 00. 00	4. 10. 10
		900	4. 00. 00	4. 10. 10
		1000	4. 00. 00	4. 10. 10
		1100	4. 00. 00	4. 10. 10
		1200	4. 00. 00	4. 10. 10
		1300	4. 00. 00	4. 10. 10
		1400	4. 00. 00	4. 10. 10
		1500	4. 00. 00	4. 10. 10
		1600	4. 00. 00	4. 10. 10
		1700	4. 00. 00	4. 10. 10
		1800	4. 00. 00	4. 10. 10
		1900	4. 00. 00	4. 10. 10
		2000	4. 00. 00	4. 10. 10
		2100	4. 00. 00	4. 10. 10
		2200	4. 00. 00	4. 10. 10
		2300	4. 00. 00	4. 10. 10
		2400	4. 00. 00	4. 10. 10

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600	Weather	62° - 9
		2700	Wind	WSW - 2
		2800	Sea	S.
		2900	Barometer	29.79
		3000	Therm. att.	78°
		3100	Chart	H.O. 1300.
		3200	Course P.S.C.	SW 1/2 S
		3300	Lat. 37°	37° N.
		3400	Long. 138°	19° E.
		3500	Barometer	Sea. Press.
		3600		
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. 114720 Cont Date 19

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 80 Surface 76 Drift

Trawl or dredge 77 12 Wind 3

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	2500	
		2600	2600	
		2700	2700	
		2800	Saw	
		2900	Rope	
		3000	Wire	
		3100	Cable	
		3200	Cable	
		3300	Wire	
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR. C°	COR. TEMP.
25			-0.3	57.6°
50			-0.3	51.8°
100			-0.3	46.9°
200			-0.1°	33.9°
300				
400			-0.1°	32.6°
500				
600				
700				
800		-6.2°		
900				
1000				

11-1823

REMARKS:

Surf Temp 71.5°  
St & S. 26 sec.

Corrected Temp. 76.0

607  
N.E. 10<sup>th</sup>

No. D. 4821

Date

Machine.Reel.

July 19/06

Turns.

Cor.+

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 77° Surface 66° Drift

Trawl or dredge Net #1 1

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100	5 0.0 30	
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900	Barometer	29.73
		3000	Therm. 44.2	1.
		3100		13.0
		3200	Course, PSC:	2.17
		3300	Lat. 37° 33' N.	
		3400	Long. 138° 12' E.	
		3500	Bearings: Sawa Gado	
		3600	21° East	
		3700	dist. 17 mi.	
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. D. 4822 Date 21 Feb. 06.

Lucas Machine. Reel. Lines.  
 Turns Cor.+ Depth 130 fms.  
 Shot or lead 35 ft and Tele Tubes  
 Bottom gn. M.  
 Bottom temperature 39.5°  
 No. of thermometer 108155 Cor. -0.1°  
 Corrected temperature 39.4°  
 Air 82° Surface 80° Drift  
 Trawl or dredge 12' Tanner

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.21.25	8.36.30	0	8.32.00	0.04.20
23.25	35.30	100	35.30	9.21.28
6.21.00	8.36.30	120-180	8.38.17	8.58.15
		200		
		300		
		400	Timed 20 min.	
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		7.2
		2600	Weather	6 in., 2.
		2700	Wind	Variable, 0-1
		2800	Sea	S.
		2900	Barometer	29.79
		3000	Therm. att'd.	70°
		3100	Chart	B.G. 2243.
		3200	Course, P.S.C.,	N.E.
		3300	Lat. 37°	10 N.
		3400	Zone, 137°	10 E.
		3500	Bearings.	10 S.
		3600	S. 80° W.	10 E.
		3700	1.5 miles.	
		3800		
		3900		
		4000		

### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. 27. 1823. Date 21 Jul. 06.

Machine. Reel. Dredge  
 Turns Cor. + Depth 545 fms.  
 Shot or lead 35 lbs T.T.  
 Bottom gr. M.  
 Bottom temperature 32.9°  
 No. of thermometer 108155 Cor. -0.1  
 Corrected temperature 32.8°  
 Air 80° Surface 78° Drift  
 Trawl or dredge 12' Tanner.

am. SOUNDING WIRE.		TURNS.	am. DREDGE ROPE.	
DOWN.	UP.		I. DOWN.	UP.
0.00	0.00	0	9.37.50	10.47.00
22.00	100	41.10	42.15	
31.05	200	43.55	40.05	
32.55	300	52.55	36.55	
33.5	400	55.55	33.50	
34.5	500	58.55	30.30	
35.5	545	10.01.35	27.00	
36.5	600	10.04.00	10.24.00	
37.5	675			
38.5	700			
39.5	800	= 20 min xx)		
	900	II. 14	4	
	100	10.02.1	37.	
	100	5.50	2	
	200	7	13.15	
	300	11.02.1	18.2	
	400	25.55	12.50	
	500	11.		
	600	12.00	35.05	
	675	11. 12		
	1800	= 20 min		
	1900			
	2000	Second haul - Foot		
	2100	before hoisting up occur		
	2200	Indicator registered 2 1/2		
	2300	Hove in to 460 fms. at		
	2400			

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	S. 7
		2600	Weather	Br. 1
		2700	Wind	NNE. 0-1
		2800	Sea	S.
		2900	Barrowdo	29.78
		3000	Ther. attd.	77°
		3100	Chart	B.A. 2243.
		3200	Course, PSC.	N.E.
		3300	Alt.	35.0
		3400	Long. 137° 10' 05" E.	
		3500	Bearing No Sake	
		3600	S. 79° W. (true) dist. 6.25 m.	
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		04824		
50			L. L.	
100			Brake	
200			Gage	
300			240	
400			Chart	13.4. 74.6
500			Chart	13.4. 74.6
600			Chart	34° 09' 46" N
700			Chart	124° 10' 56" E
800			Brake	No. 1000
900			Chart	13.4. 74.6 (true)
1000				dist. 4 mi.

11-1023

#### REMARKS:

1. I saw 1 fish come up  
had best tail catching game  
way at surface and float  
load.

No. H 670 Date 11/16

Lucas Machine. Reel. V Lucas  
Turns Cor. + Depth 84

Shot or lead Lucas 2

Bottom ~~g m~~ 77 fm g y d 7

Bottom temperature 52.1

No. of thermometer 10 81.55 Cor. - 0.7°

Corrected temperature 51.9"

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
37	31.3	811		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	PL	34, 4
		2600	Lat 34° 27' 10" N	
		2700	Long 137° 28' 40" E	
		2800		11, 3, 0
		2900	Miaofu Sh. 21 60' 6"	
		3000	15 m. dist. from	
		3100		
		3200		72 < 3
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. D 4825

Date 2 July 06

Reel. Lucas

Turns

Cor. +

Depth 120 fathm

Shot or lead Lucas 1-61

Bottom ~~at~~ <sup>in</sup> the free. gr. & 11-12. 8 ft.

Bottom temperature 42°

No. of thermometer 108155 Cor. -1°

Corrected temperature 41.9

Air 88° Surface 79° Drift

Trawl or dredge 12' Tare

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	4-05-00	
400, 20	145	100	8-20	
		1200	4-10-40	
		300	"	
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	7-1	37.4
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200	Chart BA. 2243	
		3300	Bearing: Snaggs	
		3400	Meatii - Lt N. 68°W	
		3500	(true) dist 11.5	
		3600		
		3700		
		3800	Lat. 37° 27' 30" N.	
		3900	Long. 137° 32' 20" E.	
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. D 4826 Date July 21, 1916

Machine. Reel. Lucas

Turns Cor. + Depth 114 fath.

Shot or lead 2.5" Shot 4

Bottom 1.

Bottom temperature 42.6°

No. of thermometer 108 Cor. - .1°

Corrected temperature

Air 81° Surface 79° Drift

Trawl or dredge 12'

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	-	
		100	-	
		200	-	
		300	-	
		400	-	
		500	-	
		600	-	
		700	-	
		800	-	
		900	-	
		1000	-	
		1100	-	
		1200	-	
		1300	-	
		1400	-	
		1500	-	
		1600	-	
		1700	-	
		1800	-	
		1900	-	
		2000	-	
		2100	-	
		2200	-	
		2300	-	
		2400	-	

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800	Cotton	Wool
		2900		
		3000	Yarn	St
		3100		
		3200	Linen	27° 25' 0
		3300	Linen	27° 32' 8
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. H. 4879 Date /

Season Machine. Rect.

Turns Cor. + Depth 409

Shot or lead: 35 lbs. and T.T.

Bottom 94. N.

Bottom temperature

No. of thermometer 1081574 Cor.

Corrected temperature 5

Air 83° Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800	Long. $137^{\circ} 43' E.$	
		2900	Bearings: dredge	
		3000	W. side Lt. $71.75^{\circ}$ to	
		3100	(true) dist. 70 mi.	
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TNMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. D. 4827 Date 21 July, 1906.

Machine. Reel.

Turns Cor. + Depth

Shot or lead

~~No Sdg. - Snd. & Trawl.~~

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 78° Surface 78° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		Down.	Up.
		0	0 m.	0 m.
		100	8.0 fms.	8.0
		200		
		300	Towed	not
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	R.L.	-
		2600	Weather	Nor. 1
		2700	Wind	NN.E. 1
		2800	Sun	S.
		2900	Bar.	29.78
		3000	Clouds	100
		3100	Course	S.E.
		3200	Wind	100
		3300	Clouds	100
		3400	Mag. 137°	83' E
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. 711 Date

Machine. Reel. 1 piece

Turns Cor. + Depth 163

Shot or lead 35 lb. shot T.T.

Bottom 9 m.

Bottom temperature 35°

No. of thermometer 108155 Cor. - 0.1

Corrected temperature 34.9°

Air 78 Surface 77 Drift

Trawl or dredge 12 ft. diameter

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.2	52.05	0	7.54.00	3520
4.1	51.00	100	8.22.00	3520
	7.31.00	200	510	3520
	2300	600	826.15	3520
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	1	-
		2600	1	Com 2
		2700	Wind	E. 1
		2800	Sea	S
		2900	Sea	29.7°
		3000	Float	86
		3100	Gause	NE
		3200	1' 1'	N.E. 130°
		3300	Lat	37° 23' 21.
		3400	Long	137° 36' E.
		3500	1' 1'	-
		3600	1' 1'	14° 2 30' N.
		3700	(true)	dis. 16 mi.
		3800		
		3900		
		4000		

### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1623

REMARKS:

No. D4829 Date July 06  
Machine. Reel.

Turns — Cor. + — Depth 557

Shot or lead 354 Shot TT

Bottom 92 M.

Bottom temperature 33°

No. of thermometer 10 (155) Cor. — 0.1

Corrected temperature 32.9°

Air 61 Surface 78 Drift —

Trawl or dredge 12 Tammes

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	32.2	35.05
11	1	100	35.10	37.10
		200	35.10	37.15
		300	37.10	41.15
1	1	400	46.1	52.55
		500	48.5	54.5
		600	51.2	57.1
		700	53.7	61.20
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		500 ft.
		2600		Lean 2
		2700	175 ft.	1
		2800	Sea	S
		2900	124	29.75
		3000		1
		3100		S
		3200	Lat	37° 20' 21"
		3300		137° 41' 30" E
		3400		2: Sagan
		3500	Miedzi Lt.	
		3600	71. 38° N. (true)	
		3700	71 min	
		3800	Lhart.	N.Q. 1301
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. II 4830 Date 22 July 06

Lucas Machine. Reel. Lucas

Turns Cor.+ Depth 548

Shot or lead 35 lb Shot TT

Bottom gn m

Bottom temperature 32.8

No. of thermometer 10 8155 Cor.

Corrected temperature 37.7°

Air 86 Surface 80 Drift —

Trawl or dredge 12 ft Tammes

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
100	—	0	1	0
200	—	100	1	15
300	—	200	1	15
400	—	300	1	15
500	—	400	1	15
600	—	500	1	15
700	—	600	1	15
800	—	700	1	15
900	—	800	1	15
1000	—	900	1	15
1100	—	1000	1	15
1200	—	1100	1	15
1300	—	1200	1	15
1400	—	1300	1	15
1500	—	1400	1	15
1600	—	1500	1	15
1700	—	1600	1	15
1800	—	1700	1	15
1900	—	1800	1	15
2000	—	1900	1	15
2100	—	2000	1	15
2200	—	2100	1	15
2300	—	2200	1	15
2400	—	2300	1	15

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	T/L	
		2600	X	20.2
		2700		18.5
		2800		18.5
		2900		27.3
		3000		27.3
		3100		27.3
		3200		20.1 16.7
		3300		15.7 16.7
		3400		16.7
		3500	Mac. 16.7	16.7
		3600	Mac. 16.7	16.7
		3700		
		3800		
		3900		12.5
		4000		

### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. D. 4831 Date July 32, 1906  
 Lucas Machine Reel Lucas  
 Turns Cor. + Depth 619 fms.

Shot or lead 35' side of T.T.

Bottom grit

Bottom temperature 32.8°

No. of thermometer 108155 Cor. -1°

Corrected temperature 32.7°

Air 87° Surface 82° Drift

Trawl or dredge 12' G. C. 12' Submersible shallow

SOUNDING WIRE.		TURNS.	DREDGE ROPE.		
DOWN.	UP.		DOWN.	P/W.	UP.
1 - 01 - 50	1 - 14 - 30	0	1 - 32 - 50	2 - 38 -	
2 - 00	13 - 10	100	16 - 10	35 - 10	
3 - 00	12 - 50	200	17 - 10	32 - 00	
4 - 05	12 - 00	300	32 - 05	28 - 50	
5 - 10	11 - 10	400	35 - 05	28 - 50	
6 - 15	9 - 55	500	38 - 05	22 - 50	
7 - 20	9 - 00	600	41 - 35	17 - 00	
1 - 7 - 40	1 - 8 - 10	618	43 - 50	16 - 00	
<u>Intermediate</u>		700	46 - 30	11 - 20	
<u>Na 42.4 ft. 3.</u>		800			
		900	1		
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			

Dredged at approx.  
depth of 300  
fms.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

507

No. D. 4832. Date 23 Jul. 06.

Lucas Machine. Reel. Lucas

Turns Cor.+ Depth 76 fm.

Shot or lead Sigebee 35-ff and Sigebee 50g Cops.

Bottom dk. gy. S.

Bottom temperature 53.4°

No. of thermometer 108/15. Cor. - 0.2

Corrected temperature 53.2°

Air 91° Surface 77° Drift

Trawl or dredge 9' #16.- Blake.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
0	0	0	8.31.00	8.31.00
76.100	8.31.00	76.100	8.31.00	52.45
148.200	8.31.00	148.200	8.31.00	8.51.50
		300		
		400		Trawled 2.0 min.
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		16.2
		2600		16.2, 16.
		2700	Wind	Variable 1-0
		2800		0.
		2900		0.00
		3000		8.00
		3100		11.00
		3200		11.00
		3300		11.00
		3400		11.00
		3500	Bearings: N. 25° S., N. 25° E. And Lake N 87° E (true), Dist. 8.5 miles.	
		3600		
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES.

DEPTH.	TRMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. D. 4833 Date 23 July, 1906.  
 T.N. Machine. Reel. T.N.  
 Turns 80 Cor. (?) Depth 79 fms.  
 Shot or lead T.N. 35 lb Sinker  
 Bottom dk. gy. S. R.  
 Bottom temperature -  
 No. of thermometer none used Cor.  
 Corrected temperature -  
 Air 96° Surface 77° Drift  
 Trawl or dredge 9' All.-18L.

am. SOUNDING WIRE.		TURNS.	am. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
0 07.37	0.05.07	0	0.07.37	1.34.07
0.02.00	0.02.00	100	10.21	21.17
		200	7.12.13	0.24.00
		300	-	-
		400	12.12.13	12.12.13
		500	-	-
		600	-	-
		700	-	-
		800	-	-
		900	-	-
		1000	12.12.13	12.12.13
		1100	12.12.13	12.12.13
		1200	12.12.13	12.12.13
		1300	Net apparently caught	
		1400	in bottom	
		1500	12.12.13	12.12.13
		1600	12.12.13	12.12.13
		1700	12.12.13	12.12.13
		1800	12.12.13	12.12.13
		1900	12.12.13	12.12.13
		2000	12.12.13	12.12.13
		2100	12.12.13	12.12.13
		2200	12.12.13	12.12.13
		2300	12.12.13	12.12.13
		2400	12.12.13	12.12.13

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600	Westerly	<u>63°. 3.</u>
		2700	Wind	Varying, 1.
		2800	Sea	S.
		2900	Bar.	29.60
		3000	Ther. obs.	81°
		3100	Course, PSC. W.W.	
		3200	Chart	B.A. 2174
		3300	Lat. $36^{\circ} 13' 40''$ N.	
		3400	Long. $185^{\circ} 56' 30''$ E.	
		3500	Bearing..	O Shima
		3600	(off Ando Latti)	N80°E
		3700	(stone), dist.	8.5 m.
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. D. 4834. Date 23 July, 1906.  
 Lucas Machine. Reel. Lucas  
 Turns Cor. + Depth 130 fms.  
 Shot or load Sigs. 35-42 u Sig. Cup  
 Bottom 92. M.  
 Bottom temperature 35°  
 No. of thermometer 108155 Cor. - 0.1  
 Corrected temperature 34.9°  
 Air 90° Surface 77° Drift  
 Trawl or dredge 12' Tainer. (11' net)

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1100	1100	0	1100	1100
650	650	100	650	650
1100	1100	200	1100	1100
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		19.1
		2600		Bez. 4.
		2700		Sec. 1
		2800		
		2900		2.2. 19
		3000	Loc. 2000.	18.0
		3100	Corrected.	WSW
		3200	Chart.	B.A. 2174
		3300	Lat. 36° 03' 30" N.	
		3400	Long. 135° 54' E.	
		3500	-	0 C.
		3600	N. 42° E.	Fr., 15.7 m.
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

II--1023

REMARKS:

No. 44635 Date 23 July 06  
 Lat. 40° Machine. Reel. Line  
 Turns — Cor. + — Depth 134  
 Shot or lead 35<sup>lb</sup> Shot 1  
 Bottom on 11  
 Bottom temperature 35°  
 No. of thermometer 10 81.5° Cor. - 0.1  
 Corrected temperature  
 Air 79 Surface 79 Drift —  
 Trawl or dredge 12 ft Danner

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		3.
		200		1. 2. 3.
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		Lat 41° 21' 17" N.
		3300		Long 136° 57' 30" E.
		3400		midway O. Shores
		3500		21.44° E. (true)
		3600		dist. 16.5 mi.
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. 11

Date July 24, 1906

Machine. Reel.

Turns 54 Cor. + none Depth 54

Shot or lead

Bottom Br. gr. M.

Bottom temperature 62.9

No. of thermometer 10815 Cor. -2°

Corrected temperature 60.9

Air Surface 80 Drift

Trawl or dredge 12'

SOUNDING WIRE.		TURNS.	DREDGE ROPE.		
DOWN.	UP.		DOWN.	A.	UP.
		0	10-52	40	11
		54			
		100	10		
		200			
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	✓	55
		2600	✓	
		2700		
		2800		
		2900	✓	
		3000		
		3100		65
		3200		
		3300		35 49
		3400		
		3500		
		3600		
		3700		2.5
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. D. 4837 Date July 24, 190

Machine. Reel.

Turns Cor.+ Depth East 57

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 103° Surface 80° Drift

Trawl or dredge 12' Danner (?)

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

507

No. E. 4838 Date 24. Feb. 1920.

) Lucas Machine. Reel. Lucas

Turns Cor.+ Depth 144 fms.

Shot or lead 1/2 Sigsbee x Sdg. Cup.

Bottom 92. ft.

Bottom temperature 34°

No. of thermometer 108/55 Cor. - 0.1

Corrected temperature 33.9°

Air 93° Surface 80° Drift

Trawl or dredge 12' Tanner. (11 ft. net)

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 01.50	1. 08.00	0	1. 14.00	1. 48.30
03.05	07.05	100	17.00	45.00
1. 03.30	1. 06.30	144.200	19.05	42.00
		220.800	1. 21.00	1. 41.00
		400		
		500		
		600		
		700		Small catch.
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	03.2.	50.1
		2600	W. 1000 ft.	5.2
		2700	W. 1000 ft.	5.1
		2800	S. 1000 ft.	5.
		2900	03.1.	29.100
		3000	03.1.	85.
		3100	03.1.	5.2 174.
		3200	03.1.	5.2 S. 1000 ft.
		3300	03.1.	50.6' 30.75
		3400	03.1.	185' 30.75
		3500	03.1.	5.2 174.
		3600	03.1.	5.2 174.
		3700	E., true,	dist. 20.6 m.
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. 25. 1882. Date 21<sup>st</sup>. Febr., 1882.

Lines Machine. Reel. Lines  
Turns Cor. + Depth 140 fms.

Shot or lead Sigs. 35-f n Sdg. Cys.

Bottom 32 m.

Bottom temperature 34.1°

No. of thermometer 108/55. Cor. -0.1

Corrected temperature 34°

Air 87° Surface 79° Drift

Trawl or dredge 12' T. L. (11' 2")

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2. 97.17	2. 32.03	0	2. 34.3	2. 1.68
91.17	2. 45	100	2. 2.5	2. 0.55
2. 50.17	2. 31.17	200	2. 1.1	0. 1.
		300	2. 4.1	2. 0.3.28
		400		
		500		
		600		
		700		
		800	S. 1.1	than 100
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	75.1
		2600	Wind	80.2
		2700	Wind	SSW. 2.
		2800	Sea	S.
		2900	Bar.	20.1
		3000	Ther. att.	20.0
		3100	Curr.	8.1. S. 17°.
		3200	Curr. N.E.	7.1. N.
		3300	Curr. S.E.	5.1. S. 15°. T.
		3400	Curr. 13.5°	8.1. E.
		3500	Curr. 15.0°	Nyo Ga
		3600	Alt. 1.5	Lat. 8.56°W.
		3700	(L.) 5.5.	Loc. unknown.
		3800		
		3900		
		4000		

### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. U.D. 4840. Date 24 July 1906.

Turns Machine Reel. Lines  
Cor. + Depth 154 fms.

Shot or lead 3 1/2 lbs. of shot & 1/2 lbs. of lead.

Bottom 9 m.

Bottom temperature 34°

No. of thermometer 108155. Cor. -0.1

Corrected temperature 33.9°

Air 84° Surface 79° Drift

Trawl or dredge 12' Tanner (11' net).

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.25	3.25	0	31.0	31.0
2.15	2.15	100	33.	33.
2.55	2.5720	174 200 250 300	18.304.28.15	
		400		
		500	Scared 20 227	
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		80.1
		2600	Weather	Se 2
		2700	Wind	NE. 2-3
		2800	Sun	
		2900	Cav.	22.7
		3000	The. atto.	82°
		3100	Cloud	3.0
		3200	Course, P.S.C.	N to NNE
		3300	Lat.	36° 0' N
		3400	W.	13.1
		3500	Bearings:	Kyo Ga Misaki
		3600	E. 41°	
		3700		
		3800		
		3900		
		4000		

### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. Dr. 4841 Date July 24 06  
Machine. Reel.

Turns Cor.+ Depth

Shot or lead

20

Bottom

120

Bottom temperature

— inc.

No. of thermometer

Cor.

Corrected temperature

Air 80° Surface 76° Drift

Trawl or dredge Net #1 and 2 1/2' + 2 1/2'

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	P.W. UP.
		0	Oast.	I. 22.
		100	8-03-00	8-23-40
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		East - 3
		2800		
		2900		
		3000		
		3100		1301
		3200		1111h
		3300	L.	31° 04' N.
		3400	1102g	130 02 500
		3500	Bearings:- Kyoga	
		3600	Mwaki	
		3700	Dist. 19	
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. 5.475 Date Jan 5th, 1900.

T. H. Machine. Reel.

Turns Cor. + Depth S. D. f.

Shot or lead 35 ft shanty line

Bottom free gr. S. SK.

Bottom temperature 54.8°

No. of thermometer 108155. Cor. - 0.2

Corrected temperature 54.6°

Air 78° Surface 78° Drift

Trawl or dredge 12' Tanner

Am. SOUNDING WIRE.		TURNS.	Am. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.07.00	6.11.00	0	9.23.30	0.3.00
6.08.30	6.12.00	100	27.00	7.1.00
		150	9.26.00	9.4.00
		200		
		300		
		400	Trawled 20 min.	
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	R.L.	3.9
		2600	Weather	bom.
		2700	W.	N.W.
		2800	C.	C.
		2900	Bar.	29.35
		3000	Ther. atto.	79°
		3100	Chart	H.O. 1301.
		3200	Course A.S.C.	N.W.
		3300	Loc. 3° 27' S.	17° 55'
		3400	Long. 122° 27' E.	
		3500	Bearings	S. 60° E.
		3600	Saki/Dong	S. 60° E.
		3700	(Fr.) dist 6.1 miles	
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. Δ, 4843. Date 26 Jul. 06  
 ) Lucas Machine. Reel. Lucas  
 Turns Cor. + Depth 100 fms.  
 Shot or lead Cyls. 35 lbs dry. Cups.  
 Bottom  
 Bottom temperature 40°  
 No. of thermometer 108155. Cor. - 0.1  
 Corrected temperature 39.9°  
 Air 79° Surface 76° Drift  
 Trawl or dredge 12' Tanner.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.07.5	2.08.15	0	1520	1520
		100	8.30	8.30
		200	2.10	2.10
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	34.0
		2600	Weather	8oz. 8
		2700	Wind	North 4-5.
		2800	Sun	C.
		2900	Bar.	29.36
		3000	Wind	29.36
		3100	Cart	H.O. 1301.
		3200	Crown PSC.	N.W.
		3300	Lat. 36° 29' 20" N	
		3400	Temp. 13° 00' 00" S	
		3500	Beringi Dogo Is.	
		3600	SE., dist 14 m.	
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				
11-1023				

REMARKS:

No. 2000 Date Jan. 18, 1886  
 Lucas Machine Reel  
 Turns Cor. + Depth  
 Shot or lead  
 Bottom  
 Bottom temperature  
 No. of thermometer 108 Cor.  
 Corrected temperature  
 Air Surface Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	(C.C.)	
		2600	J.C. 1000	
		2700	J.C. 1000	
		2800	J.C. 1000	
		2900	J.C. 1000	
		3000	J.C. 1000	
		3100	C.C. 1000	
		3200	J.C. 1000	
		3300	J.C. 1000	
		3400	J.C. 1000	
		3500	J.C. 1000	
		3600		
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. D 4844 Date July 26/06  
 Previous Machine. Reel. Line.  
 Turns Cor. + Depth 116 f.  
 Shot or lead 35<sup>ft</sup> 7  
 Bottom m. 64  
 Bottom temperature  
 No. of thermometer 101 Cor. - 1°  
 Corrected temperature 35.9  
 Air 79° Surface Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		80
		3100		
		3200		27° 13' N
		3300		36° 34' V
		3400		32° 50' 20E
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. St. 4880 Date July 26  
 Lucas Machine. Reel. Lucas  
 Turns Cor. + Depth 57 fath  
 Shot or lead 35 lbs and the  
 Bottom 15 m  
 Bottom temperature  
 No. of thermometer 10813-5 Cor.  
 Corrected temperature 32.5°  
 Air 76° Surface 76° Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No.

1815

Date

26. July. 76.

## Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Corrected temperature

Air 76° Surface 76° Drift

Trawl or dredge Dredge 1. S. 55.000 fms.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	100	100
		100	200	200
		200	300	300
		300	400	400
		400	500	500
		500	600	600
		600	700	700
		700	800	800
		800	900	900
		900	1000	1000
		1000	1100	1100
		1100	1200	1200
		1200	1300	1300
		1300	1400	1400
		1400	1500	1500
three	ruins	1500	1600	1600
		1600	1700	1700
		1700	1800	1800
		1800	1900	1900
		1900	2000	2000
		2000	2100	2100
		2100	2200	2200
		2200	2300	2300
		2300	2400	2400

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	142	
		2600	145	146
		2700	146	146
		2800	146	146
		2900	146	24.57
		3000	146	28°
		3100	Chalk	28.20
		3200	Chalk	NW 4.7
		3300	Chalk	3.6
		3400	Chalk	3.6
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11 - 1023

REMARKS:

No. 4846 Date 27 July 56

Machine. Reel.

Turns Cor. + Depth 641

Shot or lead Register float 35' shot.

Bottom 94 92 27

Bottom temperature

No. of thermometer 108155 Cor. -1

Corrected temperature 32.3

Air 74 Surface 76 Drift

Trawl or dredge 9 ft. 14 fms.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	/	
	13	100	/	
		200	/	
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200	10000 Lat 5° 43' S Long 132° 50' E	
		3300		
		3400		
		3500	10000 Lat 5° 43' S Long 132° 50' E	
		3600		
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. 4847 Date 27 July 06

Machine. Reel.

Turns Cor. + Depth 64 Est

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 76 Surface 76 Drift

Trawl or dredge 12 ft Tammis

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		64.5
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		64.2
		3400		64.2
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No.

(continued)

Date 2-

Machine. Reel.

Turns

Cor.+

Depth

Shot or lead

Bottom

160

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

D

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN	UP.		DOWN	UP.
		0	11-41	4
		100	04-30	4
		200		4
		300	11	3
		400	11	3
		500		3
		600		3
		700		3
		800		3
		900		3
		1000		3
		1100		3
		1200		3
		1300		3
		1400		3
		1500		3
		1600		3
		1700		3
		1800		3
		1900		3
		2000		3
		2100		3
		2200		3
		2300		3
		2400		3

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. 77. 4848 Date July 27, 1906

Machine. Reel. Lead.

Turns Cor.+ Depth 846 fath.

Shot or lead 60 ft. Sounding

Bottom sand, shells,

Bottom temperature

No. of thermometer 108155 Cor. . . .

Corrected temperature 32.7°

Air 85° Surface 78° Drift

Trawl or dredge 12'

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		S.
		2900		29.4
		3000		29.0
		3100		
		3200		H.D. 130.1
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				
11-1025				

REMARKS:

No.

Date Jan 7

Machine. Reel.

Turns Cor. + Depth 846 \*

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Corrected temperature

Air 10 Surface 79 Drift

Trawl or dredge 12' 4"

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 111

Date

Machine.

Reel.

Turns

Cor.+

Depth

Shot or lead ( )

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 78° Surface 77° Drift

Trawl or dredge Surface

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		Lancourt
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. D 486-1 Date July 28, 1906  
 Lucas Machine. Reel, Lucas

Turns Cor. + Depth 1315 fath.

Shot or lead 60 ft. Signal rod:

Bottom gr. br. M.

Bottom temperature 32.9°

No. of thermometer 108155 Cor. - 1°

Corrected temperature 32.8

Air 90° Surface 78° Drift

Trawl or dredge 9' Agassiz

SOUNDING WIRE.		TURNS.	DREDGE ROPE.		
DOWN.	UP.		DOWN.	UP.	ADM.
		0			11-04-00
		100			39-00
		200			
		300			
		400			47-20
		500			
		600			
		700			38-10
		800			34-55
		900			31-35
		1000			
		1100			25-50
		1200			21-45
		1300			17-00
		1400			
		1500			6-20
		1600			20
		1700			9-32-00
		1800			
		1900			
		2000			
		2100			
		2200	wire out		
		2300	letting out		
		2400			

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Engines failed to work properly		2500	1.	
at 1650		2600		
same. Began leaving at 9-56		2700		
to		2800		
Wire failed		2900		
drum		3000		
time while heaving in last hundred fath. Its clear since		3100		
		3200		10.0°
		3300		
		3400		13.1°
		3500		
		3600		
		3700	Id, R. 7	
		3800	17 mi.	
		3900		
		4000		

SERIAL TEMPERATURES 10122-1				
DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
15		X 108.019		
25	- 61.0°	104914	-0.3°	60.7°
50	- 55.5°	98244	-0.3°	55.2°
100	- 46.1°	108154	-0.3°	45.9°
200	- 33.0°	108013	0.0	33.0°
300				
400	- 33.00°	108153	-1	"
500	Started to lower at		11	
600	402 fath. Let out at		11 - 2	"
700	Began heaving in		11 - 3	"
800	Last three in at		11 - 4	"
900	Flat & Polli attached ther.		11 - 5	"
1000			11 - 6	"

REMARKS:

X Did not trip

No. 1 - 48244 Date 30 Aug 1911

Turns Machine Reel. Zinc

Turns Cor.+ Depth 568 fms.

Shot or lead 35 lb Sizot. & Sdg. Cyl.

Bottom (from dredge) gn. T.

Bottom temperature 32.7°

No. of thermometer 98244. Cor. - 0.1

Corrected temperature 32.6°

Air 88° Surface 78° Drift

Trawl or dredge 9' Agassiz.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP
7.49.00	6.00.10	0	7.01.00	2.24.00
78.16	57.15	100	11.7	
49.30	58.25	200	11.3	11.3
50.35	56.40	300	11.1	11.1
57.50	55.45	400	11.1	11.1
53.00	55.00	500	11.1	11.1
7.53.50	7.54.20	568	2.00	0.00
		600		
		700	11.1	11.1
* Oil reported in reel, and had to wear out wire to clear same; hence the excess in time.		800	11.1	11.1
		850	11.1	11.1
		900	8.54.00	1.00
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	54.1
		2600	North	60.7
		2700	Wards	S.E. 2
		2800	Sea	S.
		2900	Bar.	27.6
		3000	Ther. and	80°
		3100	Chart	H.O. 1302.
		3200	Lat. 33° 11' E - 118°	
		3300	Lat. 33° 11' E - 118° N.	
		3400	Lat. 33° 11' E - 118°	
		3500	Boring C. Cloud	
		3600	S. 88° W. (by), dist. 10 m.	
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. D. 4853, Date 30 July 1906.

Lucas Machine. Reel. Lucas

Turns Cor. + Depth 400 fms.

Shot or lead 35 lbs. Sigs. x Sdg. Cup.

Bottom gr. IV.

Bottom temperature 32.5°

No. of thermometer 98244 Cor. 0.1

Corrected temperature 32.4°

Air 84° Surface 79° Drift

Trawl or dredge 9' Agassiz

m.	SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
	DOWN.	UP.		DOWN.	UP.
0. 00	0. 50.00		0	0. 40.00	10. 00.00
100	100.00		100	52.50	10. 00
200	198.05		200	55.60	10. 00
300	197.50		300	58.55	10. 00
400	196.20		400	10. 01.30	10. 00
			500	04.30	10. 00
			600	10. 08.00	10. 00
			700		
			800		
			900		
			1000		
			1100		
			1200		
			1300		
			1400		
			1500		
			1600		
			1700		
			1800		
			1900		
			2000		
			2100		
			2200		
			2300		
			2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600	77.5°	Aug. 5.
		2700	77.5°	SE-E. 2.
		2800	77.5°	S
		2900	77.5°	29.68
		3000	Ther. adi.	80°
		3100	Chart	H.O. 1302.
		3200	77.5°	77.5°
		3300	Zne. 36° 08' N	
		3400	Zong. 129° 49' E.	
		3500	C. Chonad	5.80W(?)
		3600	77.5°	77.5°
		3700		
		3800		
		3900		
		4000		

### SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No.

Date

Sugar Machine. — Reel. 1000  
 Turns — Cor. + — Depth 330

Shot or lead

Bottom

Bottom temperature 32.5

No. of thermometer 9 1/2 L.L. Cor. - 0.1

Corrected temperature 32.4

Air 70° Surface 80° Drift —

Trawl or dredge 9 ft off gassing

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
0	0	0		
100	07.20	100		
200	06.20	200		
300	05.20	300		
400	05.00	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600	21.8	1.1
		3700	21.8	1.5
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 574855 Date 30 July 06  
Machine. Reel. Dredge

Turns Cor. + Depth 70

Shot or lead 35 lb.

Bottom 9

Bottom temperature 61.3

No. of thermometer 982 cal Cor. - 0.3

Corrected temperature 61.0°

Air 14 Surface 00 Drift

Trawl or dredge 9 ft. Keweenaw

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.10.50	2240	0	3 29.30	59.550
7.1.2	2220	100	3 29.20	61.111
		200		3 51.4
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200	40.1307	
		3300		
		3400	129°	
		3500		6.60mard
		3600		W. 5.5'
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. D 4556 Date

Seasaw Machine. Reel.

Turns Cor. + Depth

Shot or lead 35 lbs.

Bottom

Bottom temperature 59

No. of thermometer 95 Cor. - 1°

Corrected temperature 58

Air 8.9 Surface Drift

Trawl or dredge 1/2

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		60
		2700		7
		2800		-4
		2900		-1
		3000		1
		3100		1
		3200		1
		3300		1
		3400		1
		3500		1
		3600		1
		3700		1
		3800		1
		3900		1
		4000		1

#### SERIAL TEMPERATURES.

DEPTH.	TMPP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

U=1023

REMARKS:

No. Δ. 4857. Date 30 Jul. 06

Machine. Reel.

Turns Cor.+ Depth

Shot or lead

Bottom 110 Sounding.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 80° Surface 78° Drift

Trawl or dredge Intomed. off 1, 2 K<sup>ts</sup> No 2  
and 3.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	200	
		100	100.0	
Inters. 1st rise		200		
From drift wire		300		
From the trawl		400		
Rods. towing		500		
aft on separate		600		
lines 10' ft. a.		700		
port. - all		800		
towing at the		900		
<u>Surface.</u>		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		Se. 8
		2600		N.E. 2-3.
		2700		S.
		2800		29. 8
		2900		8
		3000		17. 1
		3100		21. 2 E.
		3200		08' 71.
		3300		17. 1
		3400	Scarpings, G. Glomed,	
		3500		16. 6
		3600		dust. 8.0 mi.
		3700		
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

507/V

No. 771858 Date 3 July 16

Machine. Reel. Line.

Turns Cor. + Depth 67

Shot or lead 35<sup>t</sup> Sinker Cup

Bottom 9 m. M. S. D.

Bottom temperature 3

No. of thermometer 98 2nd Cor. - 6

Corrected temperature 39.0°

Air 77° Surface 77° Drift

Trawl or dredge 17

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	2 L.	80.8
		2600	W. 10	110.10
		2700		712
		2800		7
		2900		7
		3000		7
		3100		E
		3200		7
		3300		7 17 7
		3400		7 17 7
		3500		7
		3600	14	7
		3700		7 12 7
		3800		7
		3900		7
		4000		7

#### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. 114859 Date 3 July 06  
 Lucas Machine. Reel. Lucas  
 Turns — Cor. + Depth 93  
 Shot or lead 35<sup>th</sup> High Cup  
 Bottom 9 m  
 Bottom temperature 35.9  
 No. of thermometer 98.244 Cor. -0.1°  
 Corrected temperature 35.8°  
 Air 79 Surface 78 Drift  
 Trawl or dredge 12 ft. Gammie

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.29.10	5240	0	8.58.35	33.00
To 40 f. 51. w 93		100	9.01.50	29.30
		200	05.40	9.26.00
		300		
		400		
		500	Towed 20m	
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P. I.	
		2600	Wester	B.Cm 9
		2700	Neyd	N.E 2
		2800	Saq	Q
		2900	Bar	24. 69
		3000	Thwak	78
		3100	Oars	E
		3200	Chat	No. 1302
		3300	Lut	26° 17' N.
		3400	Zang	139° 41' E.
		3500	Beaings	C. Blonard
		3600	S. 130°	W. (tr)
		3700		Dist. 13 mi
		3800		
		3900		
		4000		

#### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

150  
160  
170

30

23

A faint pencil sketch of two symmetrical, bell-shaped structures, possibly representing a flower or a seed head, drawn on a light background.

BL-A

5 5 5  
5 5 6 6  
5 5 5

Spanner Lewis #3

60

10  
100  
1000  
10 000

6